

YOUR FORMULATION GUIDE TO

# Ingredion Personal Care



## Two families of plant-derived ingredients for superior formulation

### **FARMAL**® multifunctional polymers

A line of high-quality, renewable and plant-derived ingredients that complement and enhance key physical and sensorial attributes of your personal care products. Improving texture and sensory so you can achieve the superior results you want, with a natural touch.

### **PENCARE**™ DP cationic polymer

A proprietary, bio-based, cationic polymer whose superior deposition and enhanced conditioning leaves hair and skin softer and smoother than ever before.



**Ingredion**™

Trade name	INCI	Chemical charge	Physical form	Salt tolerance	Carrier for actives	Rheology modification	Foam stability	Mitigates oiliness	Deposition aid	Reduce wet comb	Aesthetic Enhancer	Film former	Provides humectancy	Application
FARMAL® CS 3757	Zea Mays (Corn) Starch	Non-ionic	Powder	☑	☑			☑			☑			Body & baby powders, makeup powders, dry shampoo, creams, lotions, cleansing products, deodorants, bar soaps
FARMAL MS 6822	Sodium Hydroxypropyl Starch Phosphate	Non-ionic	Powder	☑		☑					☑			Body wash, cream cleansing products
PENCARE® DP 1015	Starch Hydroxypropyltrimonium Chloride	Cationic	Powder	☑					☑	☑				Shampoo, conditioner, body wash, lotion, cream, styling products
FARMAL MD 15	Meltolectrin	Non-ionic	Powder				☑					☑	☑	Bath products, bar soaps, dry shampoo, hair styling products
FARMAL HF5 2656	Hydrolyzed Corn Starch	Non-ionic	Liquid				☑						☑	Foaming cleansers, shampoo, body wash, cleansing products, wipes
GLYSTAR® A-A31	Hydrogenated Starch Hydrolysate	Non-ionic	Liquid	☑									☑	Foaming cleansers, shampoo, body wash, cleansing products, wipes, cream, lotion

**Additional ingredients are available based on customer specific needs.**

In addition, the following modified starch products are available from our global strategic alliance partner Akzo Nobel:

Structure®      Dry-Flo®      Purity®      Tapioca  
 Naviance®      Natrasorb®      Celquat®      Amaze®

# Ingredient Personal Care

Extraordinary personal care products start with exceptional ingredients

**GET STARTED TODAY**

Talk to us about using Ingredient to create the best in personal care formulations  
**1-800-713-0208** | [ingredient.us/personalcare](http://ingredient.us/personalcare)  
[industrialstarch@ingredient.com](mailto:industrialstarch@ingredient.com)



# Ingredient™

Developing ideas.  
 Delivering solutions.™

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